

## ILLINOIS

## WEATHER &amp; CROPS

ILLINOIS  
COOPERATIVE CROP  
REPORTING SERVICE

Illinois Department of Agriculture  
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## CROP HI-LITES

\*\*\* Corn - 78% planted  
\*\*\* Soybeans - 14% planted  
\*\*\* Soil Moisture - 25% Short  
75% Adequate

CORN planting was reported as 78% complete as of Sunday, May 9. This compares with 45% last year and 51% for the 5-year average (1977-81). The warm and dry conditions allowed planting to progress rapidly.

Planting of SOYBEANS was reported as 14% complete as of May 9, compared with 6% last year and the average of 9%. There were several reports of farmers waiting until additional topsoil moisture was available before they will continue their planting of soybeans.

WINTER WHEAT, on Friday, May 7, was reported as 2% excellent, 80% good, 15% fair and 3% poor. One percent of the wheat was headed as of May 9, compared to 58% last year and the average of 21%.

ALFALFA as of May 7 was reported as 5% excellent, 65% good, and 30% fair.

PASTURES on May 7 were reported as 8% excellent, 68% good and 24% fair. Pastures on May 9 were supplying 70% of the livestock roughage requirements compared to 82% last year and the average of 78%.

SOIL MOISTURE was reported as 25% short and 75% adequate on May 7.

There were 6.00 DAYS SUITABLE FOR FIELDWORK for the week ending May 7.

MAIN ACTIVITIES were preparing the soil for planting, planting corn and soybeans, and applying herbicides.

## WEATHER

TEMPERATURES for the period of May 3 thru May 9 averaged from 8 to 11 degrees above normal in the northern two-thirds of the State and near normal in the extreme South. A warming trend that started last week continued into this week sending maximum temperatures into the 80's.

PRECIPITATION was light in the North and heavy in the extreme South, amounts ranging from .10 to .50 of an inch in the North to nearly 3 inches in the South. Cairo received 2.68 inches in a 24-hour period on the 6th.

The OUTLOOK for the period of May 10 thru May 17 is for temperatures to be above normal and precipitation to be near normal.

## SOIL MOISTURE MEASUREMENTS

The Illinois State Water Survey reports that soil moisture in a moderately well-drained Flanagan soil near Bondville (Champaign County) decreased during the week, prior to May 2. Soil moisture from the surface to about 7 feet decreased from 78% of Potential Plant Available Moisture (PPAM) to 74% of PPAM. In that same week's interval the top four inches went from 67% to 43% of PPAM.

Soil moisture (from the surface to a depth of 20 inches) was measured at the following locations in Illinois between the 26th and the 29th of April:

Site	County	Soil Moisture (inches)
Freeport	Stephenson	5.0
Shabbona	De Kalb	6.5
Monmouth	Warren	5.8
Appleton	Knox	7.0
Perry	Pike	6.2
Topeka	Mason	3.2
Bondville	Champaign	6.1
Brownstown	Fayette	5.6
Dixon Springs	Pope	6.2

## ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
Corn: % planted (as of May 9)	55	75	80	90	90	80	85	70	75	78	51
Soybeans: % planted (as of May 9)	10	5	15	15	15	15	20	15	5	14	9
Days suitable for fieldwork: (weekending May 7)	5.5	6.5	7.0	6.0	6.5	6.0	6.0	6.0	6.0	6.00	
Soil moisture % (as of May 7)											
Short	35	40	30	40	35	10	20	10	--	25	
Adequate	60	60	70	60	65	90	80	80	100	75	
Surplus	5	--	--	--	--	--	--	10	--	--	

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ILLINOIS WEATHER  
MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	Febru- ary	March	Mar. 30- April 5	April 6- 12	April 13- 19	April 20- 26	April 27- May 3	May 4- 10
Chicago	-5	-1	+5	-15	+2	0	-2	10
Peoria	-3	0	+6	-19	+2	-2	2	9
Springfield	-6	+1	+4	-17	+4	-3	0	8
St. Louis	-6	+3	+4	-14	+4	-4	-2	6

Station	Temperatures			Growing degree days 1/		
	Maxi- mum	Mini- mum	Aver- age	Current week	3-yr. av. 2/	Totals: 1981 : 1982
Moline	86	41	68.1	133	299	350 319
Rockford	83	44	65.2	110	244	278 283
Chi. O'Hare	88	46	65.7	115	255	319 267
Quincy	84	43	66.5	120	351	406 299
Decatur	86	46	66.1	118	320	402 297
Peoria	87	45	68.4	134	300	371 330
Watseka	84	42	64.6	112	3/	267
Springfield	89	49	69.1	134	357	453 353
Brownstown	84	42	65.2	112	3/	314
St. Louis	88	50	70.2	139	434	559 388
Dixon Springs	85	41	68.0	130	3/	396

1/ Totals are accumulated from April 1. 2/ Average of accumulated totals for 1979, 1980 and 1981. 3/ Previous years' data are not available.

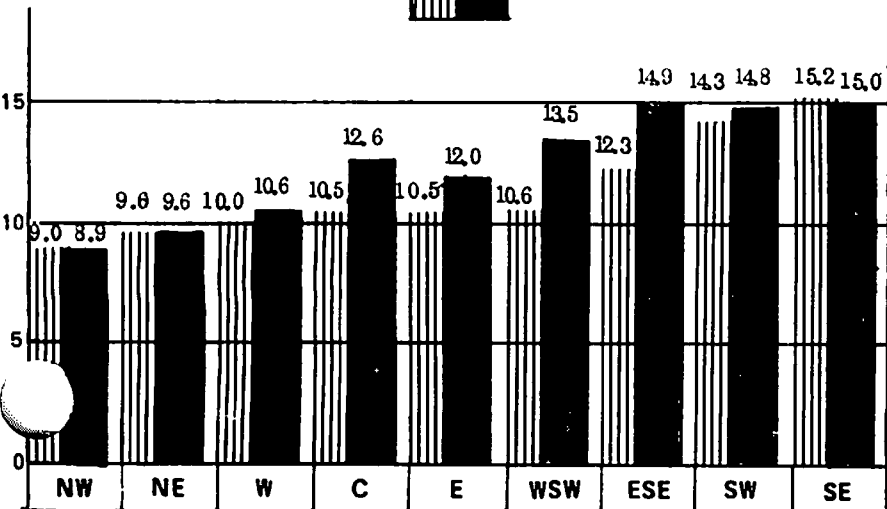
Growing degree days (GDD's) are calculated by subtracting a 50-degree (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86 degrees (F) and daily minimum to 50 degrees (F). Thus, if the mean temperature for the day is 75 degrees, then 25 GDD's will have been accumulated.

ACCUMULATED PRECIPITATION  
(Inches)

LEGEND: Normal | Actual

Jan. 1-Apr. 30

Jan. 1-May 10



PRECIPITATION:  
First figure--Current week, May 4-10  
Parentheses--Previous week  
M--Missing. T--Trace.

